AMENDMENTS TO THE CLAIMS

1. (Original) A process for treating the surface of a wet surface heat exchanger so as to build the hydrophilic porous structure,

said process comprising the operation of:

making the coating composition by blending micro solid particles with the hydrophilic binders;

spreading said coating composition on the surface of said heat exchanger by means of spraying or dipping; and

curing the coated surface of said heat exchanger.

2. (Currently Amended) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein said micro solid particles ~~is~~are 5 ~ 100 μm in diameter.

3. (Original) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein the thickness of the hydrophilic porous structure coating on said surface of a heat exchanger is adjusted by controlling the viscosity of binder.

4. (Withdrawn) A process for treating the surface of a wet surface heat exchanger so as to build the hydrophilic porous structure,

said process comprising the operation of:

roughening the surface of said heat exchanger by corroding said surface with chemical or electrochemical process, or by use of the physical process; and

processing hydrophilization of said surface of said heat exchanger.

5. (Withdrawn) A process for treating the surface of a wet surface heat exchanger according to claim 4, wherein said surface roughness is 5 ~ 100 μm in height.

6. (Original) A process for treating the surface of a wet surface heat exchanger according to claim 1, wherein the method for building the hydrophilic porous structure on the surface of said heat exchanger is:

building said hydrophilic porous structure on the surface of each components of a heat exchanger, thereafter assembling each components to construct a heat exchanger; or

building said hydrophilic porous structure on the surface of a heat exchanger which is assembled in advance.

7. (Withdrawn) A process for treating the surface of a wet surface heat exchanger according to claim 4, wherein the method for building the hydrophilic porous structure on the surface of said heat exchanger is:

building said hydrophilic porous structure on the surface of each components of a heat exchanger, thereafter assembling each components to construct a heat exchanger; or

building said hydrophilic porous structure on the surface of a heat exchanger which is assembled in advance.